

# MEMOR™ 30-35 FAMILY

Elevating performance, redefining value



## MEMOR 30/35 FAMILY



### SUPERIOR FLEXIBLE DATA CAPTURE PERFORMANCE

Embedding new Datalogic Halogen™ DE2121-DL and DE2121-ER scan engines, the Memor 30-35 family delivers impressive versatility for any application in an extended range of working distances from 5 cm / 1.97 in up to 10 m / 32.8 ft.

State-of-the-art DeepSight™ integrated technology provides superior sensitivity and high visible illumination system, guaranteeing first-class reading performance even in extreme light and dark environments. Its outstanding motion tolerance allows to decode poorly printed barcodes as well as barcodes on mobile device screens.

Datalogic's Green Spot technology enhances productivity providing good-read feedback directly on the label. A powerful 13 MP rear camera helps to capture damaged goods and barcodes.

Memor 30-35 leverages more than half a century of decoding library know-how to deliver superior decoding performance on any application.

### STREAMLINED COMPUTING AND CONNECTIVITY

Based on the latest generation enterprise grade Octa-Core Qualcomm chipset, Memor 30-35 delivers unmatched processing power and industry-leading performance with future-proof connectivity technologies: Wi-Fi 6/6E, Bluetooth® 5.3; and on Memor 35 models: embeds 5G 2nd gen that allows 5G private networks and CBRS for US market.

### EASE OF USE AND VERSATILITY

With a full HD+ 6" bright touch screen display, users can operate in any kind of lighting and weather conditions using fingers, gloves, and a stylus. Multi-side NFC reading capability eases quick acceptance of contactless payments. Smart long-lasting battery, integrated Qi compatible wireless charging and SafeSwap™ technology optimize battery lifetime, controlling battery health and ensuring uninterrupted operations even for challenging use cases. The 8 MP front camera and PTT key provide hi-definition video calls and instant communication. SoftSpot™ enhances the user experience providing a configurable scan trigger on the display for smoother operations.

Memor 30-35 enhances the customer investment by easily switching a mobile device to a desktop workstation thanks to the docking station/charger accessory.

### PROVEN RELIABILITY

An enterprise grade rugged industrial design with MIL-STD-810H, IP65/IP68 protection and a Gorilla® Glass touch panel provide reliable proven performances against dust (no ingress), water (resists under 1 m / 3.2 ft for more than 30 mins), and repeated drops/tumbles onto concrete.

### FUTURE PROOF: LOWER TCO AND SUSTAINABILITY

Powered by Datalogic Mobility Suite that offers a set of comprehensive software tools for effective deployment, enhanced lock-down security measures, and full Android™ Enterprise integration, Memor 30-35 elevates asset performance and ensures sensitive data protection.

A future proof device with longevity up to Android 18 ensures a lower total cost of ownership for the company.

EASEOF CARE services guarantee worldwide post sales assistance on hardware and software and include the Datalogic Shield™ security monthly updates.

## FEATURES

- Industry leading scan performance: reading up to 10 m / 32.8 ft with Green Spot
- Superior connectivity and processing power: Wi-Fi 6 / 6E + Bluetooth 5.3 + 5G, Qualcomm Octa-Core platform, 6 or 8 / 128 GB + 2 TB micro SD memory
- 6 inches capacitive multi-touch FHD+ display, 500 NITS
- Integrated contactless wireless charging system (device and charging docks) reduces maintenance costs and facilitates device charging
- Ultra-reliable swappable long lasting battery with SafeSwap™ capability and Smart Battery Management
- IP65/68 certified, passed 3,000 tumbles at 0.5 m and multiple 2.4 m / 8 ft drops with rubber boot across operating temperatures
- Android™ 13 with GMS (platform upgradeable to Android 18)
- Sustainability: plastic-free recycled paper and carton box packaging

## INDUSTRY - APPLICATIONS

- **Retail:** Assisted sales, Inventory Management, Markdowns / Markups, Shelf Replenishment, Access control / Ticketing, Hospitality: Order taking
- **Warehouse & Manufacturing:** Inbound / Outbound Logistics, Sort, Pick, and Pack, Shipping / Receiving, Production & Quality Control, Inventory Management, Track & Trace, Intralogistics
- **Transportation and Logistics:** Field Service / Maintenance, Deliveries / DSD, Route accounting / Order processing, Proof of Delivery / Damage, Workforce management

MEMOR 30-35 FAMILY

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local Area Network (WLAN)           | Wi-Fi 6/6E IEEE 802.11 a/b/g/n/ac/ax and 802.11 d/h/i/k/r/v/w/mc; Frequency range: Country dependent, typically 2.4 GHz, 5 GHz and 6 GHz bands; 2 x 2 MU-MIMO; WPA3 Enterprise 192-bit mode supported                                                                                                                                                                                                                                                                                                                  |
| Personal Area Network (WPAN)        | Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NFC Communication                   | Support for the following standards: Tag types 1/2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Card emulator. Contactless payments and Apple ECP protocol supported.                                                                                                                                                                                                                                                                                                                                              |
| WWAN / Cellular (Memor 35/35X only) | 5G NR FR1; LTE-Advanced / 4G+; 3GPP Rel.16;<br>• EMEA and ROW Configuration: GSM: Quad band; WCDMA: B1/2/4/5/8; FDD_LTE: B1/2/3/4/5/7/8/17/19/20/25/28/66; TDD_LTE: B38/40/41/42/43; 5G: n1/2/3/5/7/8/20/25/28/38/40/41/66/71/77/78;<br>• North America Configuration (AT&T and Verizon certified): GSM: 850/1900; WCDMA: B2/4/5; FDD_LTE: B2/4/5/7/12/13/14/17/19/25/26/29/30/66; TDD_LTE: B38/41/48; 5G: n2/5/7/12/13/14/25/26/29/30/38/41/48/66/77/78;<br>• VoLTE, VoNR and Wi-Fi calling enabled; CBRS (4G and 5G) |
| Global Positioning System (GPS)     | Integrated Assisted-GPS (A-GPS) on Memor 35/35X only; Supported Types: GPS, Galileo, GLONASS, BeiDou                                                                                                                                                                                                                                                                                                                                                                                                                   |

ELECTRICAL

|                   |                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery           | 1-piece swappable battery pack with rechargeable Li-Ion batteries; 3.86 V; 4,680 mAh typical (18.0 Watt-hours); 'Safe Swap' for application data protection |
| Wireless Charging | WPC Qi EPP compatible; 7 W charging                                                                                                                         |

ENVIRONMENTAL

|                               |                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drop Resistance               | Multiple 2,4m/8ft drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) with rubber boot per MIL STD 810 H; Multiple 1,5/5ft m drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) per MIL STD 810 H                                                                                  |
| Tumbles                       | 3000 0,5 m / 1,6 ft tumbles with protective boot and 1500 1 m / 3,2 ft tumbles with protective boot at room temperature meets and exceeds 60068-2-32 Procedure 2 specification; 600 0,5 m / 1,6 ft tumbles at room temperature without protective boot, meets and exceeds IEC 60068-2-32 Procedure 2 specification. |
| Particulate and Water Sealing | IP65 and IP68 with battery, per IEC60529 specification                                                                                                                                                                                                                                                              |
| Chemical Resistance           | General purpose chemical cleansers: Water solution of Sodium Hypochlorite 0,8%; Windex Multi-surface / Glassex with ammonia; Formula 409, Glass and Surface cleaner / Glassex with ammonia; Ethyl alcohol 70%; Isopropyl alcohol 70%; Hydrogen peroxide 3%                                                          |
| Temperature                   | Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -30 to 70 °C / -22 to 158 °F                                                                                                                                                                                                                              |
| ESD                           | 15 kV air discharge / 8 kV contact discharge                                                                                                                                                                                                                                                                        |

PHYSICAL CHARACTERISTICS

|                 |                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions      | 167.6 x 78.6 x 17.7 mm / 6.61 x 3.09 x 0.70 in                                                                                                                                                     |
| Primary Display | 6 in LTPS in 18:9 format – FHD+ resolution 2160 x 1080; LED backlight; 500 NITS typical                                                                                                            |
| Keys            | Physical Keys: 2 side scan keys; PTT key; Power On/Off; Volume Up/ Down; 3 Android soft keys                                                                                                       |
| Touch Panel     | Touch Screen: 5 points multi-touch capacitive panel with hardened Gorilla Glass 5 and optical bonding; Support for gloves and stylus; water drops rejection and anti-fingerprint surface finishing |
| Weight          | With battery: 314 gm / 11 oz                                                                                                                                                                       |

READING PERFORMANCE

|             |                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera      | Rear Camera: Resolution: 13 megapixel; Auto focus Illumination: User controllable LED flash (torch mode); Front Camera: Resolution: 8 megapixel; Fixed focus |
| Scan Engine | Halogen™ DE2121-DL 1D/2D scan engine; Halogen™ DE2121-ER Extended Range 1D/2D scan engine; Datalogic's 'Green Spot' for good-read feedback;                  |

SENSORS

|               |                                                       |
|---------------|-------------------------------------------------------|
| Vibration     | Software programmable for duration and intensity      |
| Accelerometer | 3-Axis accelerometer to detect orientation            |
| Gyroscope     | Senses angular velocity                               |
| Ambient Light | Auto adjusts display backlight                        |
| Proximity     | Auto deactivates display when close to face           |
| Magnetometer  | e-compass for direction and orientation detection     |
| Barometer     | Atmospheric pressure / Z-location (Memor 35/35X only) |

INTERFACES

|            |                                                                                            |
|------------|--------------------------------------------------------------------------------------------|
| Interfaces | Super Speed USB 3.2 gen1 Host and Client (Type-C); High Speed USB 2.0 (Type-C, Bottom I/O) |
|------------|--------------------------------------------------------------------------------------------|

AUDIO

|             |                                                   |
|-------------|---------------------------------------------------|
| Microphones | 2 mics, with advanced AI noise cancellation       |
| Loudspeaker | Speaker for handsfree calls and audio application |
| Receiver    | Speaker for voice calls                           |

SAFETY & REGULATORY

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Agency Approvals         | The product meets necessary safety and regulatory approvals for its intended use. |
| Environmental Compliance | Complies to EU RoHS                                                               |

SOFTWARE

DATALOGIC MOBILITY SUITE

|               |                                                                                                                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protection    | Shield - Android Security Updates; Launcher – to lockdown device to kiosk mode; Enterprise Browser – to web-browse only to a set of approved URLs; Integrity KIT - to safeguard HW interfaces                           |
| Configuration | Scan2Deploy Studio – to configure and stage devices, OEMConfig – for UEM/EMM Compatibility, AE QR Code Enrollment – for easy EMM/UEM enrollment                                                                         |
| Development   | SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter – a no-code platform for barcode formatting, Wedge – a configurable bar code scanning input method                                                 |
| Optimization  | QuickBoard - A customizable enterprise virtual keyboard to enhance productivity and adapt to specific application contexts; Snap OCR - Rear or scanner camera digitizes text, streamlining data entry and label parsing |

Additional Features

|                                                   |                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Provisioning                                      | Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment                                                    |
| UEM/EMM                                           | SOTI MobiControl, VMWare Workspace One, Microsoft Intune, 42Gears SureMDM, Ivanti Neurons, Ivanti Avalanche, and any OEM Config compliant UEM/EMM |
| Terminal Emulator and PTT Compatibility Highlight | Ivanti Velocity, StayLinked Smart TE, Zello PTT                                                                                                   |

SYSTEM

|                  |                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIM Slots        | 1 Nano SIM; 1 eSIM (Memor 35/35X only)                                                                                                                        |
| Expansion Slots  | 1 Ultra High-Speed Micro SD card (up to 2 TB)                                                                                                                 |
| Memory           | System RAM: 6 GB or 8GB on-chip, plus an optional 2 GB SWAP Memory (using Flash storage as extra RAM, activated through a setting); UFS Flash storage: 128 GB |
| Microprocessor   | Qualcomm QCC4490 Octa-core 2.4 GHz                                                                                                                            |
| Operating System | Android v13 GMS (platform upgradeable to Android 18)                                                                                                          |

WARRANTY

|          |                         |
|----------|-------------------------|
| Warranty | 1-Year Factory Warranty |
|----------|-------------------------|

ACCESSORIES

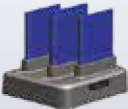
Base Stations/Chargers



• Charging Dock (wired or wireless available)



• 4-Slot Charging Dock (wired or wireless available)



• Multi Battery Charger

Miscellaneous



• Vehicle Charger



• Belt Holster



• Hand Strap



• Trigger Handle



• Wearable Holder

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